
Shannon Dong

**Massachusetts Institute of
Technology**
Cambridge, MA

**Aeronautics and Astronautics
Engineering**
Bachelor of Science, May 2005

**NASA Academy Research Project:
Simulation Testbed for Robotic
Exploration of a Martian Surface**

Principal Investigator: Dr. Jeffrey
Smith



Education:

I am currently a junior in the Department of Aeronautics and Astronautics Engineering at MIT. My curriculum has emphasis in aerospace information technology, where my coursework includes space system engineering, control systems, communication systems, structural mechanics, thermodynamics, and other fundamental aero/astro subjects. My main space system engineering project involves creating, designing, implementing and operating a modular and wireless spacecraft. As president of the MIT Mars Society, I was also involved in organizing the MarsWeek 2004 Conference.

Experience:

Last summer I was involved with the Lewis' Educational and Research Collaborative Internship Program at Glenn Research Center. There I worked on battery modeling for the International Space Station. I am currently co-authoring a paper on the International Space Station Battery Model to be presented at the International Energy Conversion Engineering Conference this August. Some other projects I have worked on in the past include FTIR spectroscopy of rocket fuels and naive optics research using virtual environments.

Extra-curricular Activities:

Growing up in Michigan was the most memorable part of my life—I love snow. During the summers, I loved helping my dad fix the car or put up dry wall for a new room. Although not terribly athletic, I play badminton and run on the weekends. I also love traveling and make it a goal in life to travel as far as I can, maybe to the moon.

